This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

- 1. (Currently Amended) A gelled anode mixture comprising a metal alloy powder, a gelling agent, an alkaline electrolyte having a hydroxide concentration less than 40 weight%, and at least one amphoteric surfactant.
- 2. (Currently Amended) A gelled anode mixture as claimed in claim 1 wherein the amphoteric surfactant has a formula ef Compound I

wherein: R1 is an alkyl group having between 8 and 30 unbranched carbon atoms; R2 is an alkyl group having between 1 to about 6 unbranched carbon atoms, optionally substituted with 1 or more hydroxyl substituents; R3 is selected from a polyethylene oxide group having between 3 and 40 ethylene oxide units and a polypropylene oxide group having between 1 to 10 propylene oxide units; and, X is an anionic acid group, an anionic acid ester, or an alkali metal salt of an anionic acid or acid ester.

3. (Currently Amended) A gelled anode mixture as claimed in claim 2 further comprising an amphoteric surfactant having a formula of Compound II

wherein: R4 is an unbranched alkyl group having between 8 and 30 unbranched carbon atoms that form an aliphatic fatty amine when bound to the nitrogen atom; R5 is

selected from a polyethylene oxide group having between 3 and 40 ethylene oxide units and a polypropylene oxide group having between 1 and 10 propylene oxide units; and, R6 is selected from hydrogen, a polyethylene oxide group having between 3 and 40 ethylene oxide units and a polypropylene oxide group having between 1 and 10 propylene oxide units.

- 4. (Currently Amended) A gelled anode mixture as claimed in claim 1 further comprising a surfactant having a general formula Y SOx or a salt thereof, wherein x is 3 or 4, and wherein Y is selected from the group consisting of an alkyl group, an aryl group, an alkylaryl group, and a carboxy acid group.
- 5. (Canceled)
- 6. (Original) A gelled anode mixture as claimed in claim 4 wherein the Y SOx surfactant is a salt of a sulfated octadecanoic acid.
- 7. (Original) A gelled anode mixture as claimed in claim 4 wherein the Y SOx surfactant is a sodium salt of sulfated oleic acid.
- 8. (Canceled)
- 9. (Original) A gelled anode mixture as claimed in claim 1 further comprising an organic phosphate ester surfactant.
- 10. (Original) A gelled anode mixture as claimed in claim 9 wherein the organic phosphate ester surfactant is an ethylene oxide-adduct type organic phosphate ester.
- 11. (Canceled)

- 12. (Currently Amended) A gelled anode mixture as claimed in claim 9 further comprising a surfactant having a general formula Y SOx or a salt thereof, wherein x is 3 or 4, and wherein Y is selected from the group consisting of an alkyl group, an aryl group, an alkylaryl group, and a carboxy acid group.
- 13. (Canceled)
- 14. (Currently Amended) A gelled anode mixture comprising a metal alloy powder, a gelling agent, an alkaline electrolyte having a hydroxide concentration less than 40 weight%, wherein the metal alloy powder comprises zinc particles, at least 70 weight% of the particles having a particle size within a 100 micron size range distribution, the distribution having a mode between about 100 and about 300 microns.
- 15. (Original) A gelled anode mixture as claimed in claim 14 wherein the mode of the particle size distribution is about 100 microns.
- 16. (Original) A gelled anode mixture as claimed in claim 14 wherein the mode of the particle size distribution is about 150 microns.
- 17. (Original) A gelled anode mixture as claimed in claim 14 wherein the mode of the particle size distribution is about 250 microns.
- 18. (Currently Amended) A gelled anode mixture as claimed in claim 14, wherein the electrolyte has an hydroxide concentration no higher than about 34 weight%.
- 19. (Currently Amended) A gelled anode mixture as claimed in claim 14, wherein the electrolyte has an hydroxide concentration no higher than about 30 weight%.
- 20. (Currently Amended) A gelled anode mixture as claimed in claim 14, wherein the

electrolyte has an hydroxide concentration no higher than about 28 weight%.

- 21. (Original) A gelled anode mixture as claimed in claim 1, wherein the electrolyte comprises KOH.
- 22. (Currently Amended) An alkaline electrochemical cell comprising:
 - a positive current collector;
 - a cathode in contact with the positive current collector;
- a gelled anode comprising a metal alloy powder, a gelling agent, an alkaline electrolyte having a hydroxide concentration less than 40 weight, and at least one amphoteric surfactant[[.]];
 - a separator between the cathode and the anode; and
 - a negative current collector in electrical contact with the anode.
- 23. (Currently Amended) A alkaline electrochemical cell as claimed in claim 22 wherein the amphoteric surfactant has a formula of Compound I

wherein: R1 is an alkyl group having between 8 and 30 unbranched carbon atoms; R2 is an alkyl group having between 1 to about 6 unbranched carbon atoms, optionally substituted with 1 or more hydroxyl substituents; R3 is selected from a polyethylene oxide group having between 3 and 40 ethylene oxide units and a polypropylene oxide group having between 1 to 10 propylene oxide units; and, X is an anionic acid group, an anionic acid ester, or an alkali metal salt of an anionic acid or acid ester.

24. (Currently Amended) A alkaline electrochemical cell as claimed in claim 23 further comprising an amphoteric surfactant having a formula of Compound II

wherein: R4 is an unbranched alkyl group having between 8 and 30 unbranched carbon atoms that form an aliphatic fatty amine when bound to the nitrogen atom; R5 is selected from a polyethylene oxide group having between 3 and 40 ethylene oxide units and a polypropylene oxide group having between 1 and 10 propylene oxide units; and, R6 is selected from hydrogen, a polyethylene oxide group having between 3 and 40 ethylene oxide units and a polypropylene oxide group having between 1 and 10 propylene oxide units.

- 25. (Currently Amended) A alkaline electrochemical cell as claimed in claim 22 further comprising a surfactant having a general formula Y SOx or a salt thereof, wherein x is 3 or 4, and wherein Y is selected from the group consisting of an alkyl group, an aryl group, an alkylaryl group, and a carboxy acid group.
- 26. (Canceled)
- 27. (Original) A alkaline electrochemical cell as claimed in claim 25 wherein the Y SOx surfactant is a salt of a sulfated octadecanoic acid.
- 28. (Original) A alkaline electrochemical cell as claimed in claim 25 wherein the Y SOx surfactant is a sodium salt of sulfated oleic acid.
- 29. (Canceled)
- 30. (Original) A alkaline electrochemical cell as claimed in claim 22 further comprising an organic phosphate ester surfactant.

- 31. (Original) A alkaline electrochemical cell as claimed in claim 30 wherein the organic phosphate ester surfactant is an ethylene oxide-adduct type organic phosphate ester.
- 32. (Canceled)
- 33. (Currently Amended) A alkaline electrochemical cell as claimed in claim 30 further comprising a surfactant having a general formula Y SOx or a salt thereof, wherein x is 3 or 4, and wherein Y is selected from the group consisting of an alkyl group, an aryl group, an alkylaryl group, and a carboxy acid group.
- 34. (Canceled)
- 35. (Currently Amended) An alkaline electrochemical cell comprising:
 - a positive current collector,
 - a cathode in contact with the positive current collector;
- a gelled anode comprising a metal alloy powder, a gelling agent, an alkaline electrolyte having a hydroxide concentration less than 40 weight, wherein the metal alloy powder comprises zinc particles, at least 70 weight, of the particles having a particle size within a 100 micron size range distribution, the distribution having a mode between about 100 and about 300 microns;
 - a separator between the cathode and the anode; and
 - a negative current collector in electrical contact with the anode.
- 36. (Original) A alkaline electrochemical cell as claimed in claim 35 wherein the mode of the particle size distribution is about 100 microns.
- 37. (Original) A alkaline electrochemical cell as claimed in claim 35 wherein the mode of the particle size distribution is about 200 microns.

- 38. (Original) A alkaline electrochemical cell as claimed in claim 35 wherein the mode of the particle size distribution is about 300 microns.
- 39. (Currently Amended) A alkaline electrochemical cell as claimed in claim 35, wherein the electrolyte has an hydroxide concentration no higher than about 34 weight%.
- 40. (Currently Amended) A alkaline electrochemical cell as claimed in claim 35, wherein the electrolyte has an hydroxide concentration no higher than about 30 weight%.
- 41. (Currently Amended) A alkaline electrochemical cell as claimed in claim 35, wherein the electrolyte has an hydroxide concentration no higher than about 28 weight%.
- 42. (Original) A alkaline electrochemical cell as claimed in claim 35, wherein the electrolyte comprises KOH.
- 43. (New) A gelled anode mixture as claimed in claim 14 further comprising at least one amphoteric surfactant.
- 44. (New) A alkaline electrochemical cell as claimed in claim 35 wherein the gelled anode further comprises at least one amphoteric surfactant.